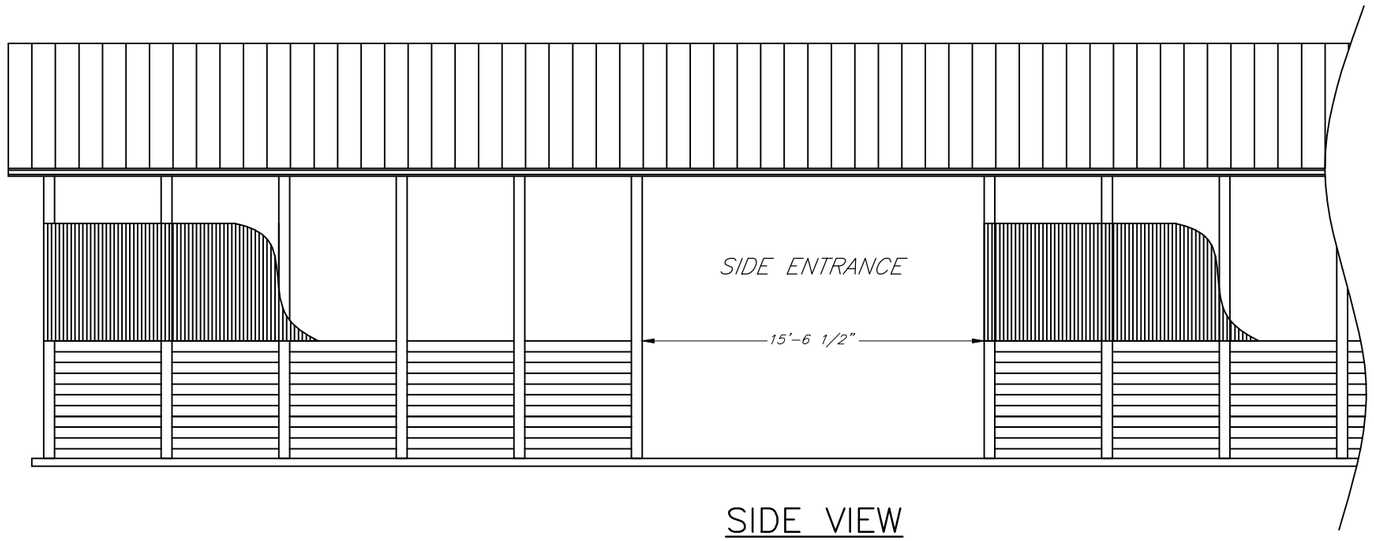
UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

GEORGIA STANDARD DRAWINGS - COMBINATION STACK / COMPOST FACILITY WITH FOUR DEEP COMPOST BINS IN END OF BUILDING. FOR USE WITH BUILDINGS WITH 8-FOOT POST SPACING.

THE FOLLOWING DRAWINGS WERE PREPARED IN ACCORDANCE WITH PRACTICE CODE 316 – ANIMAL MORTALITY FACILITY AND GEORGIA BUILDING CODE (INTERNATIONAL BUILDING CODE 2006). ANY CHANGES TO THESE DRAWINGS MUST BE APPROVED BY AN ENGINEER WITH JOB APPROVAL LEVEL IV OR GREATER.

THIS FACILITY IS DESIGNED TO SUSTAIN 90 MPH WINDS WITH 10 PSF SNOW LOAD OR 100 MPH WINDS WITH NO SNOW LOAD. THIS DESIGN IS NOT A STAND ALONE PRODUCT. THESE DRAWINGS SHALL BE ATTACHED TO GEORGIA POULTRY DRY STACK FACILITY DRAWING: **ga-eng-313-ps2.pdf**.



SIDE VIEW

_____ **COMPOST FACILITY**

_____ **COUNTY, GEORGIA**

PRE–CONSTRUCTION CERTIFICATION:

THE _____ COMPOSTING FACILITY HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING DRAWINGS AND PRACTICE CODE 316. ALL CHANGES HAVE BEEN APPROVED BY AN ENGINEER WITH JOB APPROVAL AUTHORITY LEVEL IV OR GREATER. ALL ADDITIONS HAVE BEEN APPROVED BY NRCS.

OWNER	DATE	NRCS REPRESENTATIVE	DATE	ENGINEER (IF REQUIRED)	DATE

AS–BUILT CERTIFICATION:

THIS PRACTICE HAS BEEN CONSTRUCTED IN ACCORDANCE TO THESE PLANS AND MEETS NRCS STANDARDS AND SPECIFICATIONS.

NRCS REPRESENTATIVE	DATE	ENGINEER (IF REQUIRED)	DATE

COMPOSTING FACILITY:

JOB CLASS: _____

INDEX TO DRAWINGS:

GEORGIA 811 Utilities Protection Center, Inc. Know what's below. Call before you dig.

THE NATURAL RESOURCES CONSERVATION SERVICE
HELPING PEOPLE HELP THE LAND

REVISIONS		
DATE	APPROVED	TITLE
09/05	H MCFARLAND	STATE ENGINEER
10/07	H MCFARLAND	STATE ENGINEER
06/11	J HOLLOWAY	STATE ENGINEER
07/13	D ROBERTS	ACTING STATE ENGINEER

		Date
Designed	W. Brown	10/07
Drawn	S. Rogers	10/07
Checked	H. McFarland J. Holloway	10/07
Approved	H. McFarland	10/07

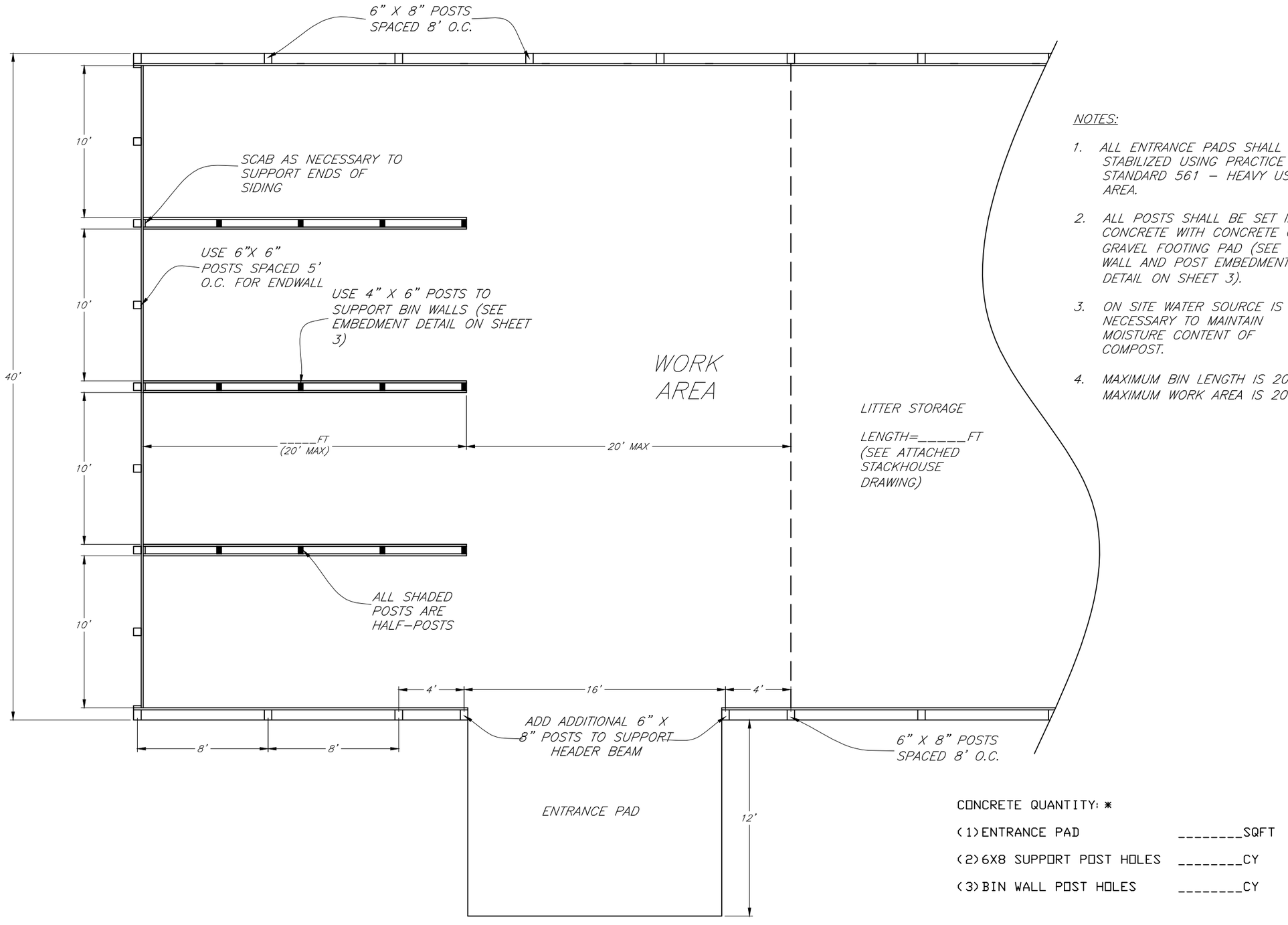
GEORGIA COMBINATION STACK/COMPOSTING FACILITY
(Four Deep Compost Bins)
_____ County, GA

NRCS Natural Resources Conservation Service
United States Department of Agriculture

File No.
ga-eng-316-c5_rev _072013

Drawing No.
Cover

July 2013
Sheet 1 of 4



PLAN VIEW

NOTES:

1. ALL ENTRANCE PADS SHALL BE STABILIZED USING PRACTICE STANDARD 561 – HEAVY USE AREA.
2. ALL POSTS SHALL BE SET IN CONCRETE WITH CONCRETE OR GRAVEL FOOTING PAD (SEE BIN WALL AND POST EMBEDMENT DETAIL ON SHEET 3).
3. ON SITE WATER SOURCE IS NECESSARY TO MAINTAIN MOISTURE CONTENT OF COMPOST.
4. MAXIMUM BIN LENGTH IS 20'. MAXIMUM WORK AREA IS 20'.

CONCRETE QUANTITY: *

(1) ENTRANCE PAD _____SQFT

(2) 6X8 SUPPORT POST HOLES _____CY

(3) BIN WALL POST HOLES _____CY

NOTE: '*' REFER TO STACKHOUSE DRAWING FOR ALL OTHER CONCRETE QUANTITIES

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Drawing No.
Plan

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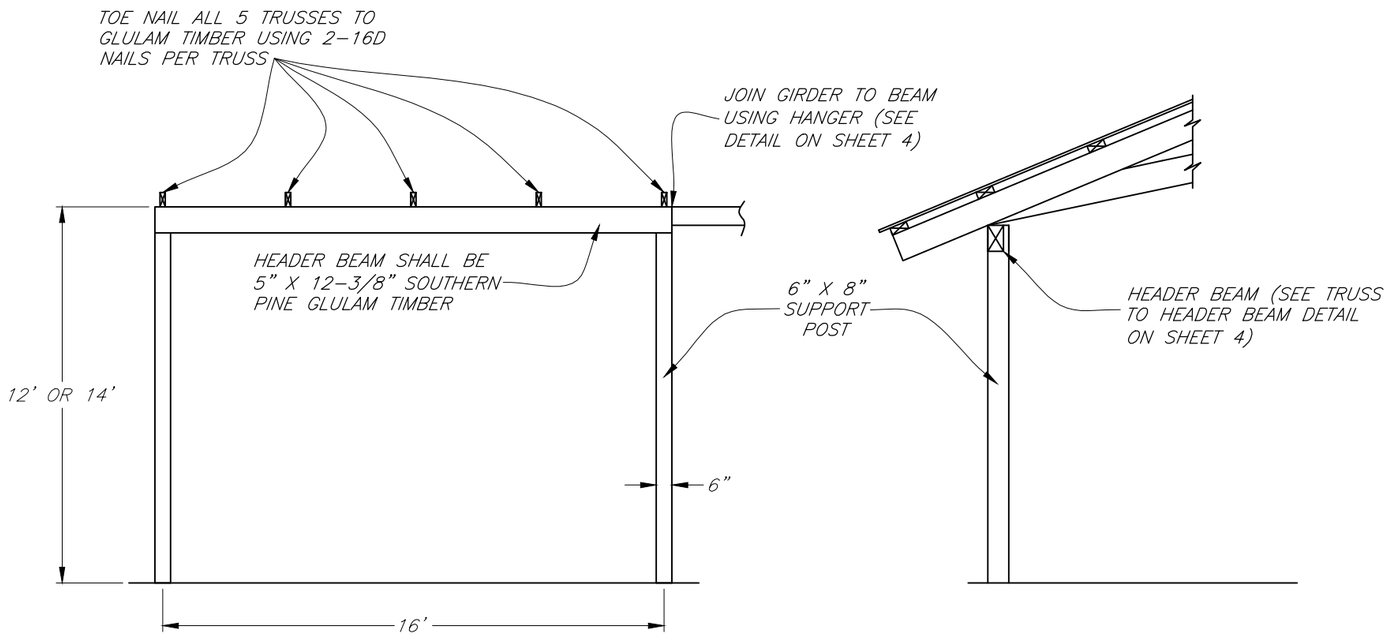
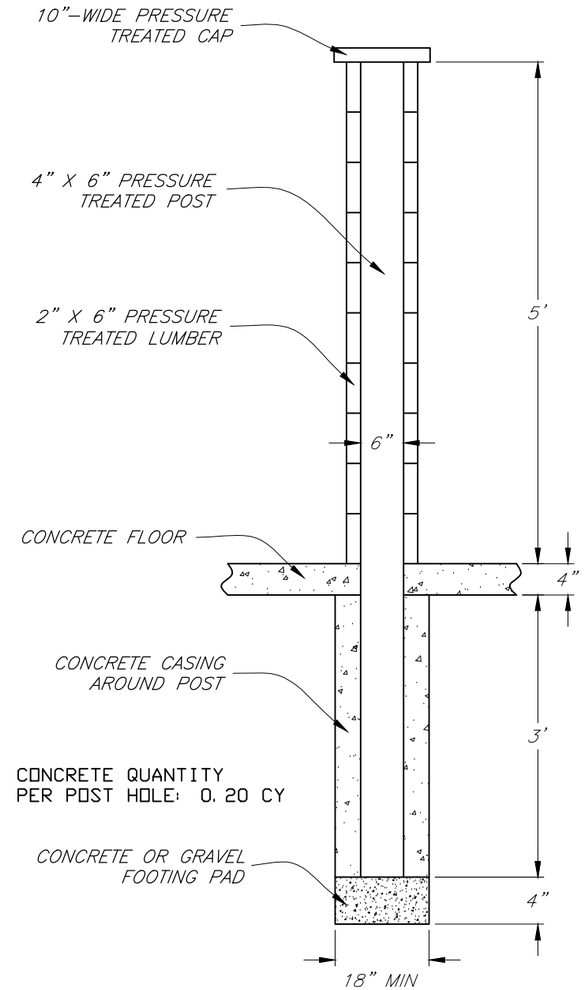
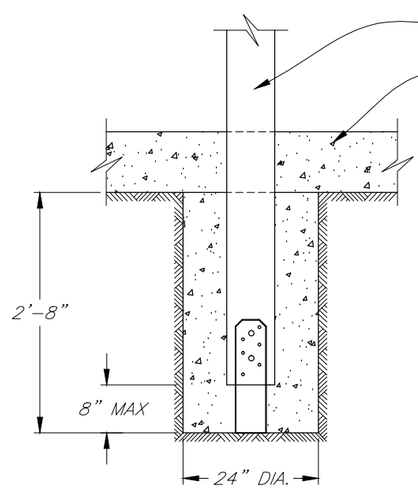


SIDE ENTRANCE



BIN WALL AND POST EMBEDMENT

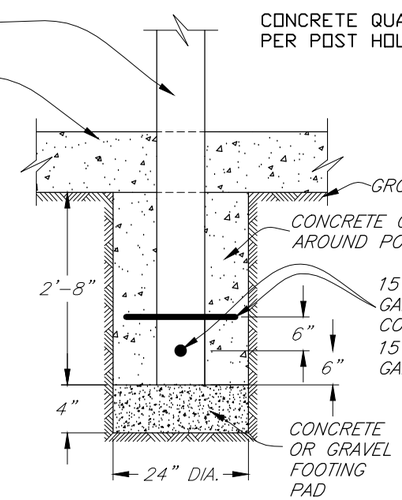


MECHANICAL POST ANCHOR CONCRETE FOOTING DETAIL

CONCRETE QUANTITY
PER POST HOLE: 0.30 C.Y.

NOTES:

1. EXAMPLE CONNECTOR SHOWN AT LEFT.
2. MINIMUM UPLIFT RESISTANCE REQUIRED IS 3291 LBS.
3. INSTALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
4. CONNECTOR SHALL BE GALVANIZED.



CONCRETE POST FOOTING DETAIL

CONCRETE QUANTITY:

(1) BIN WALL POST HOLES _____CY

(2) ENTRANCE PAD _____SQFT

NOTE:
REFER TO STACKHOUSE DRAWING FOR ALL OTHER CONCRETE QUANTITIES

WOOD TREATMENT TABLE

MINIMUM RETENTION RATES IN PCF					
USE	CCA	ACQ–C/D	CBA–A	CA–B	MCA
GROUND CONTACT OR FRESH WATER	0.40	0.40	0.41	0.21	0.15
IMPORTANT STRUCTURAL MEMBERS	0.60	0.60	0.61	0.31	0.23

CCA – CHROMATED COPPER ARSENATE
ACQ–C/D – ALKALINE COPPER QUATERNARY
CBA–A & CA–B – COPPER AZOLE
MCA – MICRONIZED COPPER AZOLE

NOTES:
1. ALL WOODEN WALLS, HALF POSTS, AND BIN FRONT WOOD SHALL MEET THE GROUND CONTACT RATES.
2. ALL SUPPORT POSTS SHALL MEET THE IMPORTANT STRUCTURAL MEMBER RATES.

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Drawing No.
Detail 1

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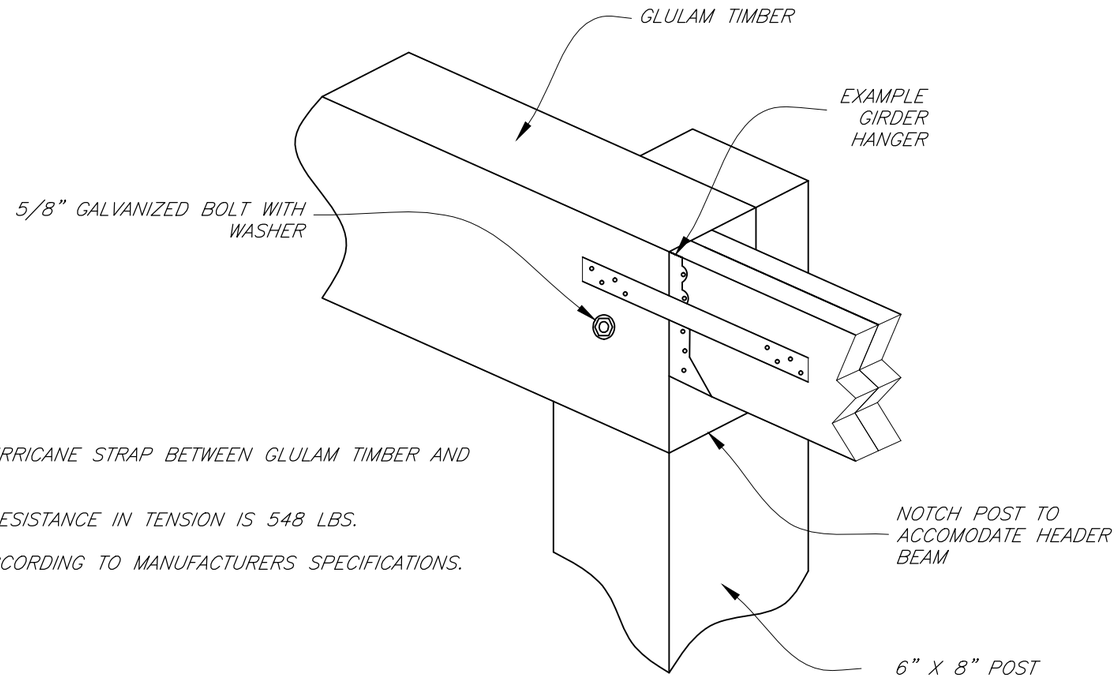
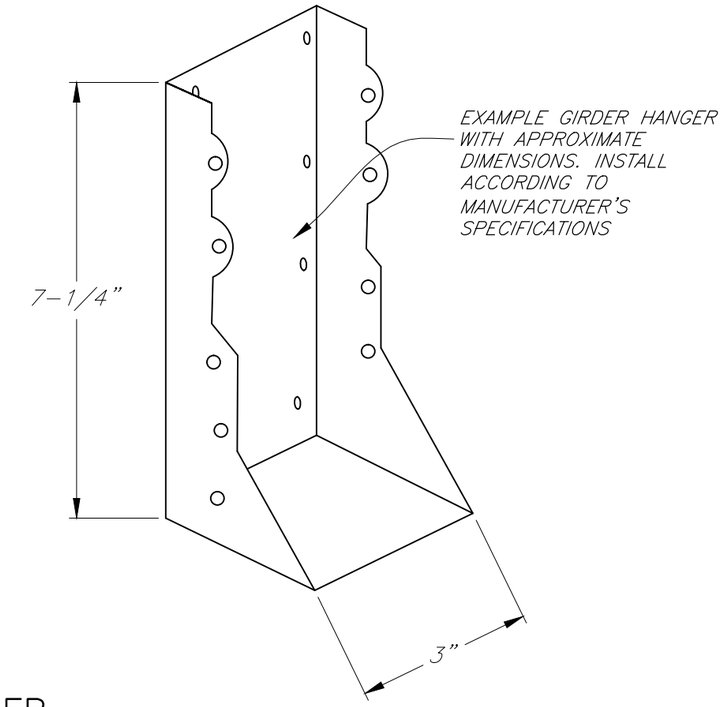


NOTES:

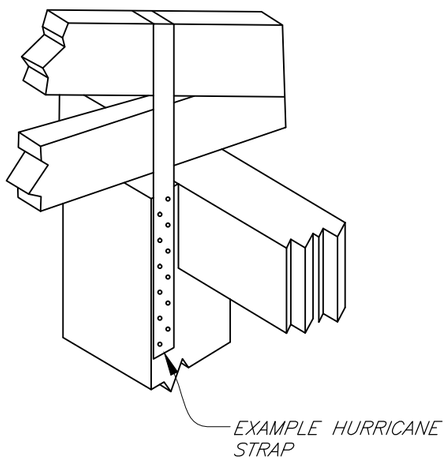
1. INSTALL HURRICANE STRAP BETWEEN GLULAM TIMBER AND GIRDER.
2. MINIMUM RESISTANCE IN TENSION IS 548 LBS.
3. INSTALL ACCORDING TO MANUFACTURERS SPECIFICATIONS.



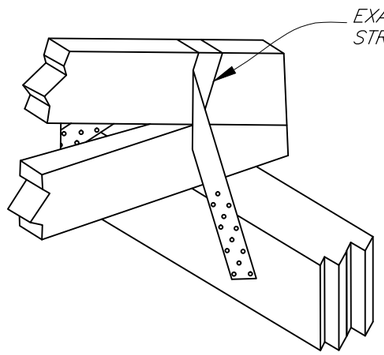
GIRDER HANGER

NOTES:

1. USE HURRICANE STRAP AT POST TO HEADER BEAM CONNECTION.
2. MINIMUM UPLIFT RESISTANCE IS 2025 LBS.
3. USE 16 GUAGE, GALVANIZED, 2-1/16" WIDE COILED STRAP OR STRAP TIE AS SHOWN AT LEFT FOR POST TO TRUSS CONNECTION.
4. STRAP SHALL BE FABRICATED FROM STEEL COMPLYING WITH ASTM A 653-96 SS GRADE 40 SPECIAL.



TRUSS TO POST CONNECTION



NOTES:

1. USE MANUFACTURED HURRICANE STRAPS AT TRUSS TO HEADER BEAM CONNECTIONS.
2. MINIMUM UPLIFT RESISTANCE IS 1218 LBS.
3. EXAMPLE HURRICANE STRAP IS SHOWN AT LEFT.

TRUSS TO HEADER BEAM CONNECTION

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Detail 2

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